

TECHNICAL DATA SHEET
STARPOL HP

STARPOL HP is a waterproofing membrane made of distilled bitumen modified with APP (Atactic polypropylene) polymers that make it very easy to install in various climate conditions.

The plastomeric compound ensures ease of application, very good adhesion as well as good resistance to UV deterioration and ageing in general. When properly installed, STARPOL HP offers superior bonding and tightness of all joints and overlaps.

The carrier is a non woven stabilized polyester which provides good mechanical characteristics, making STARPOL HP an easy to install membrane of excellent resistance to static and dynamic loads.

CE MARK: RECOMMENDED DESTINATIONS OF USE

| | | | |
|---|--|--|--|
| Base sheet or intermediate layer in multi-layer waterproofing constructions, also under heavy duty protection finish (UNI EN 13707) | STARPOL HP 4.0 mm | | |
| Cap sheet layer in multi-layer waterproofing constructions, without heavy duty protection finish (UNI EN 13707) | STARPOL HP MINERAL 4.0 kg/m ² | STARPOL HP MINERAL 4.5 kg/m ² | STARPOL HP MINERAL 5.0 kg/m ² |
| Cap sheet layer in multi-layer waterproofing constructions, also under heavy duty protection finish (UNI EN 13707) | STARPOL HP 4.0 mm | | |
| Waterproofing layer below tiles or slates (UNI EN 13859-1) | STARPOL HP MINERAL 3.5 kg/m ² | | |

AVAILABLE SURFACE FINISHES

Upper surface : talc or sand (STARPOL HP) or self protected with slate granules (STARPOL HP MINERAL)

Upon request it can be supplied with plastic films PE/ PP or with TEX (black polypropylene fleece)

Lower surface : polypropylene or polyethylene burn-off film

| PROPERTIES | TEST METHOD | UNIT | AVERAGE VALUES | TOLERANCES |
|--------------------------------|--------------|-------------------|-------------------------|--------------|
| Length | EN 1848-1 | m | 10 (or 8 upon request) | ±1% |
| Width | EN 1848-1 | m | 1,0 | ±1% |
| Thickness | EN 1849-1 | mm | See CE Mark table above | ±5% |
| Unit Weight | EN 1849-1 | kg/m ² | See CE Mark table above | ±5% |
| Tensile Strength (at break) | EN 12311-1 | N/5 cm | L 600 | ±20% |
| | | | T 500 | ±20% |
| Elongation (at break) | EN 12311-1 | % | L 35 | -15 absolute |
| | | | T 35 | -15 absolute |
| Tear resistance (nail test) | EN 12310-1 | N | L 150 | ±30% |
| | | | T 150 | ±30% |
| Resistance to static load | EN 12730 (A) | kg | 15 | -- |
| Impact resistance | EN 12691 | mm | 900 | -- |
| Dimensional Stability | EN 1107-1 | % | ±0.5 | -- |
| Flexibility at low temperature | EN 1109 | °C | -10 | -- |
| Flow resistance | EN 1110 | °C | 140 | -- |
| Water tightness | EN 1928 | kPa | 60 | |
| Reaction to fire | EN 13501 -1 | --- | Euroclass F | -- |
| Resistance to external fire | EN 13501 -5 | -- | F roof | -- |

FIELDS AND METHODS OF APPLICATION

STARPOL HP is recommended as a base sheet or as a cap sheet layer in multi-layer waterproofing constructions for flat, pitched or vaulted roofs, made of reinforced concrete cast on site or prefab, of terraces, under-floorings etc. In case of direct exposure to weathering agents, STARPOL HP shall be protected with reflective paint or by a layer of self-protected (mineralised) membrane.

STARPOL HP MINERAL can be used as cap sheet layer without any further protective finish.

Subject to the type of substrate STARPOL HP shall be installed by means of a propane gas torch and/or of approved cold or hot adhesives. For correct installation refer to information provided by Copernit Technical Department.